

## **ABSTRACT OF THE DISCLOSURE**

Systems and methods consistent with principles of the present invention provide the ability to generate application program interfaces (API) for any target application with a graphical user interface (GUI). The APIs generated by the inventive system control the functionality of the target application by simulating the appropriate events of the windows system and using those simulated events to activate elements of the target application's graphical user interface. The target application responds to the aforesaid events generated by the inventive interfaces, just like it would respond to a user manually invoking the corresponding elements of the application's graphical user interface. The inventive methodology can be used in converting windows-type applications into fully communicable architectural services. For example, the described methodology can be used to enable various applications to operate as web services.